DEODORANT

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Abstract of **JP2286165**

PURPOSE:To obtain the deodorant applicable for intraoral use in a wide range by using the high-polymer fraction of a specific mol.wt. obtd. by protease decomposition of separated soy bean protein as the effective component. CONSTITUTION:Dry green soy beans are roughly ground and after the skin is removed therefrom, the soy beans are further ground to <=30 mesh powder. The powder is degreased by using n-hexane or a soln. mixture composed of methanol and chloroform as a solvent and is dissolved by a weakly alkaline soln. The soln. is subjected to a solid-liquid sepn. by a centrifugal sepn. or the like by which the undissolved matter is removed. The pH of the supernatant liquid thereof is controlled to weak acidity to allow the protein to settle and the protein is subjected to the solid-liquid sepn. by the centrifugal sepn. or the like. The separated solid is freeze-dried after washing with water and is separated by which the soy bean protein is obtd. This protein is sufficiently decomposed by the protease and after the oxygen is deactivated, the protein is subjected to the solid-liquid sepn. by the centrifugal sepn. or the like. The residues thereof are dissolved again in the alkaline soln. of the weak alkalinity and <100000 fractions are removed by an ultrafilter membrane of 100000mol.wt. The remaining soln. of >=100000 fractions is subjected to isoelectric point precipitation to recover the protein. After the protein is thoroughly washed with water, the protein is freeze- dried.